

Table 1. Cotransfections on 293 and 293Cre cells for rescue of LacZ (\pm loxP)

Plasmid combo	μ g DNA	Plaques/dish (293 cells)	(Totals)	Plaques/dish (293Cre cells)	(Totals)
pCA36:pBHG10	5:5	0, 0, 0, 0		0, 1, 2, 0	
	5:10	0, 0, 0, 1		1, 0, 0, 0	
	10:10	2, 0, 1, 1		1, 2, 0, 0	
			(5)		(7)
pCA36:pBHG10lox	5:5	0, 0, 0, 1		0, 0, 0, 0	
	5:10	0, 0, 0, 1		0, 0, 0, 0	
	10:10	0, 0, 2, 1		0, 0, 0, 0	
			(5)		(0)
pCA36lox:pBHG10	5:5	1, 3, 1, 0		0, 1, 0, 1	
	5:10	0, 1, 0, 0		0, 0, 1, 2	
	10:10	0, 0, 0, 0		0, 1, 1, 0	
			(6)		(7)
pCA36lox:pBHG10lox	5:5	1, 0, 0, 1		15, 14, 20, 20	
	5:10	0, 0, 0, 0		11, 15, 12, 16	
	10:10	0, 0, 1, 1		18, 9, 10, 8	
			(4)		(168)

Table 2. Cotransfections on 293 and 293Cre cells for rescue of LacZ (\pm loxP)

Plasmid combo	μ g DNA	Plaques/dish (293 cells)	(Totals)	Plaques/dish (293Cre cells)	(Totals)
pCA36:pBHG10lox	5:5	1, 1, 2, 6, 2, 3	(15)	1, 1, 2, 1, 2, 3	(10)
pCA36lox:pBHG10lox	5:5	1, 2, 2, 2, 2, 1	(10)	41,44,41,41,44,31	(242)
pCA36lox Δ :pBHG10lox	5:5	0, 0, 0, 0, 0, 0	(0)	41,36,55,34,24,40	(230)
FG140	1	72, 72		150, 115	

Table 3 Efficiency of Ad vector rescue by cotransfection with pBHG10lox and various shuttle plasmids^a

Cell line	Shuttle plasmid	Plaques/dish	Average/dish
293	pCA36lox	6, 2, 3, 3, 5	3.8
	pCA36loxΔ	1, 4, 0, 0, 0	1.0
	pCA36loxΔCreR	2, 2, 4, 3, 2	2.6
	pCA36loxΔCreT	9, 4, 4, 7, 3	5.4
293Cre	pCA36loxΔ	23, 28, 22, 28	25.3

^a 5μg of all plasmids were used in cotransfections.

Table 4. Efficiency of Ad vector rescue by cotransfection of 293 cells with pBHG10lox and shuttle plasmids encoding Cre^a.

Cell line	Shuttle plasmid	Plaques/dish	Average/dish
293	pCA36lox	2, 3, 1, 0, 1	1.4
	pCA36loxΔ	1, 0, 0, 0, 0	0.2
	pCA36loxΔCreT ^b	3, 1, 5, 2, 4	3.0
	pCA36loxCreFTR ^b	21, 20, 42, 34, 40	31.4

^aAll cotransfections performed with 5 μg of the indicated shuttle plasmid and 5 μg of pBHG10lox

^bPlasmids illustrated in figure 8c.

Table 5. Efficiency of rescue of fibre and E4 genes into Ad by cotransfection with pFG173lox and pFG23lox^a

Plasmids	μ g DNA	Number of plaques (average/dish)	
		293 cells	293Cre cells
pFG173lox ^b : pFG23dX1lox ^c	5:5	0, 0, 0, 0 (0)	33, 27, 39, 26 (31)
	2:2	0, 0, 0, 0 (0)	9, 15, 10, 9 (11)
pFG173 : pFG23dX1	5:5	0, 0, 0, 0 (0)	0, 0, 1 (0.3)
pFG140	1	95	93

^aCotransfections as diagrammed in figure 9

^bDiagrammed in figure 9b

^cDiagrammed in figure 10